Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Dasarahalli Division

Name of Work:Modified Estimation for Development of park and Construction of Watchmen room at Bagalgunte 12th cross, Nagalakshmi Temple Park in Dasarahalli Zone. Ward No.14

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information requiredincluding transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A								
						0.00	NOS	3760.00	0.00
	Approved Rate	3760.00							
2	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01-(a),PRED RWS SR 2019-20.Ammendment GO no RDWSSD								
						0.00	Mtrs	345.00	0.00
	Approved Rate	345.00							
3	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(b),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019) ---- All terms and conditions are as per tender document								
						0.00	Mtrs	440.00	0.00
	Approved Rate	440.00							
	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps ,etc.) for: (Page no-xx, Item No-13.01(c),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019) ---- All terms and conditions are as per tender document								
						0.00	Mtrs	450.00	0.00
	Approved Rate	450.00							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(d),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019) ---- All terms and conditions are as per tender document								
						0.00	Mtrs	530.00	0.00
	Approved Rate	530.00							
6	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(e),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019) ---- All terms and conditions are as per tender document								
						0.00	Mtrs	632.00	0.00
	Approved Rate	632.00							
7	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(f),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019) ---- All terms and conditions are as per tender document								
						0.00	Mtrs	698.00	0.00
	Approved Rate	698.00							
8	Sinking borewell of 165 mm dia. clear, using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF and above, in all strata of earth, including over burden upto 20M, fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges, cost of consumables, cost of yield test at the final depth with a minimum working of compressor for one hour etc. complete. The cost excludes the cost of casing pipes, collars and caps etc.) for: (Page no-xx, Item No-13.01(g),PRED RWS SR 2019-20.Ammendment GO no RDWSSD 27 RWS(4) 2019 Dated 02.05-2019) ---- All terms and conditions are as per tender document								
						0.00	Mtrs	821.00	0.00
	Approved Rate	821.00							
9	Supply of ISI mark 175 mm nominal Bore, plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4 mm thick confirming to IS 4270:2001 and latest amendments, electric, resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. both ends threaded confirming to IS 554/1985 one end fixedwith socket confirming to IS 4270:2001 and the other end with screwd pipes. All Pipe Shall be reasonably free from defects. the tubesshall be reasonably straigth should be with ISI marking, weighing, 25.1 kg/mtr (inclusive of all taxes duties) prices include collar - medium duty(Page no-III, Item No-84 (Material Components of PRE .Circle Bangalore SR 2012-13.) from 0.00 m to 20m ---- All terms and conditions are as per tender document								
						0.00	m	1325.00	0.00

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						0.00	EACH	4740.00	0.00
	Approved Rate	4740.00							
18	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.) -- All terms and conditions are as per tender document								
	Nagalakshmi Temple Park								
	Western Side								
		1	46.40	0.90	0.80	33.41			
	Eastern Side								
		1	69.10	0.90	0.80	49.75			
	Northern Side								
		1	8.40	0.90	0.80	6.06			
						89.22	**Cum**	322.00	28727.41
	Approved Rate	322.00							
19	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
	Nagalakshmi Temple Park								
	Western Side								
		1	46.40	0.90	0.15	6.26			
	Eastern Side								
		1	69.10	0.90	0.15	9.33			
	Northern Side								
		1	8.40	0.90	0.15	1.13			
						16.73	**Cum**	5510.00	92163.02
	Approved Rate	5510.00							
20	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13-cement morter 1:6 (Page no-25, Item No-5.6 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
	Nagalakshmi Temple Park								
	Western Side								
		1	46.40	0.75	0.60	20.88			
	Eastern Side								
		1	69.10	0.75	0.60	31.10			
	Northern Side								
		1	8.40	0.75	0.61	3.81			
						55.79	**Cum**	4960.00	276701.04
	Approved Rate	4960.00							
21	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page no-25, Item No-5.9 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Nagalakshmi Temple Park								
	Western Side								
		1	50.80	0.60	0.85	25.91			
	Eastern Side								
		1	62.80	0.60	0.61	22.87			
	Northern Side								
		1	8.40	0.60	0.36	1.79			
						50.57	Cum	5920.00	299368.24
	Approved Rate	5920.00							
22	KSRB 4-2.2: Providing and laying in position Reinforced Cement Concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal of coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 Liters conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footing ,pedastals,retaining walls,return walls, walls (any thickness) including attached pilasters, columnspillars,post struts, buttresses, bed blocks, anchor blocks & Plinths etc., including cost of all materials, labour, HOM curing complete as per Specifications Specification No. KBS 4.1, 4.6(Page no-14, Item No-4.11 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document									
	Nagalakshmi Temple Park								
	Western Side								
		1	50.80	0.60	0.10	3.05			
	Eastern Side								
		1	62.80	0.60	0.10	3.77			
	Northern Side								
		1	8.40	0.60	0.10	0.50			
						7.32	Cum	6110.00	44725.20
	Approved Rate	6110.00							
23	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page no-16, Item No-4.31 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	sqm	380.00	0.00
	Approved Rate	380.00							
	KSRB 4.9.2 : Providing TMT Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per Specifications. Specification No. KBS 4.6.3 -TMT bars Fe 500(Page no-18, Item No-4.46.2 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	tonne	80150.00	0.00
	Approved Rate	80150.00							
	SRB : 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in yers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with ad upto 50m and lift upto 1.5m including cost of all labour complete as per specification. Specification o. KBS 2.9 (Page no-7, Item No-2.10 of PWD SR 2018-19.) ---- All terms and conditions are as per nder document								
	galakshmi Temple Park								
	thwork Qty					89.22			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Deduct Pcc					16.73			
						72.49	Cum		
				Upto 125%		46.51	Cum	215.00	10000.19
				Above 125%		25.98	Cum	215.00	5584.96
	Approved Rate	215.00							
26	KSRB 15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications -Cement Morter 1:6 (Page no-116, Item No-15.17 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Sqm	263.00	0.00
	Approved Rate	263.00							
27	KSRB 15.1.2 Providing flush pointing 20mm deep to square rubble, course or uncoursed stone masonry with cement mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.cement morter 1:4 (Page no-115, Item No-15.2 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
	Nagalakshmi Temple Park								
	Western Side	1	46.40		1.28	59.39			
	Eastern Side	1	69.10		1.00	69.10			
	Northern Side	1	8.40		1.00	8.40			
						136.89	Sqm	150.00	20533.80
	Approved Rate	150.00							
28	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications-With Primer (Page no-120, Item No-15.53.2 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Sqm	109.00	0.00
	Approved Rate	109.00							
	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials,labour,HOM complete asper specifications.(Page no-266, Item No-37.2 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
	Nagalakshmi Temple Park								
		48	2.00			96.00			
						96.00	m	925.00	88800.00
	Approved Rate	925.00							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
137	Supply & fixing o(children multi play equipment with spiral slide, monkey bar with number pannel . Upright structural posts of height 4.2 m are to be hot dip galvanized steel with a 114 mm OD and 2.2mm wall thickness of tubing . Roof of size 1.9m x 1.7m x 0.77 m , spiral slide of size2.56m x 1.85m x 2.68m. Top rails of monkey bar size 1.8m x 1.3m are all robotic welded & fabricated from 48mm OD galvanized steel pipes for theouter bars &32 mm OD galvanized steel for the inner parallel bars with 6 baked on powder coated finish. Oeck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mm thickness or vinyl coated to a thickness of 4mm . Deck of size 1.45 x T.45 m are pressed and punched , welded ,sand blasted,powdei coated to 2.2mmthickness or vinyl coated to a thickness of 4mm. Deck, step, platform ,stairs, baffle shall be all robotic welded. Inclined ramps of size 1.92m x 0.6Sm , stair case of size 1.km x 0.77m are fabricated from solid 2mm perforated solid punched steel Frisbee climber , piped walls of size 1 m are robotic welded , fabricated from 32 mm OD galvanized steelpipes for outer and 2Smm OD galvanized steel pipes for inner bar with baked on powder coat finish.The poles welded on to base plate made from steel with 114mm inner dia double slide of size2.2 m x 1.Sm x 1.45 m panel. The rates are to be inclusive of supply and installation at site. Inclusive of All								
		2				2.00	Each		
			Upto 125%			1.25	Each	1567110.00	1958887.50
			Above 125%			0.75	Each	1567110.00	1175332.50
	Approved Rate	1567110.00							
138	Supply and fixing of childern Multi Play Equipment with double owing, curved side toddler slide with animated roof Upright structural posts of height 2.7 m and 3 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. The poles are welled on to a base plate made from steel with 114mm inner diameter. Deck of size 1.4'i x 1.45m and Staircase of size 1.48 m x 0.60 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre hunched for attachments. Handrail of height 1.90 m and Dia 32 mm shall be an ali-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as per Sun Roof of size 2.0 m x 1.78 m x 0.77m, Spiral Slide of size 2220 mm x 1630 mm x 1880 mm , Straight Slide of size 1645 mm x 800 mm x 1140 mm, Panels. Roofs and panels are copyrighted and IP protected worldwide. Spring Climber of thickness Dia 38 mm, 3 step ladder , Frisbee Climber ,Piped walls of Height 2.7 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. The rates are \o be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges ---- All terms and conditions are as								
						0.00	Each	997000.00	0.00
	Approved Rate	997000.00							
139	Supply and fixing of childern Adventure Play Equipment Upright structural posts of height 2.00 m , and 2.60 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. The Rock Climber clamped to the poles is of size 1655 mm x 1148 mm x 2410 mm in which the climbing pegs are connected in a PE board is of size 150 mm x 109 mm x 74 mm.This PE board is connected to two galvanized steel rods of size Dia 48 mm. The triangle shaped Zig Zag jumper which is of size 1200 mm x 90 mm x 33 mm is made of Virgin L1DPE and connected between the poles and galvanized steel rods of the rork climber.The triangle shaped Fin climbers which is made of PE and 3 holed plastic climber which is made of Virgin LLDPE are fixed in galvanized steel rods is of size Dia 48 mm. These climbers are fixed between the 3 poles with 2 top rails which is made of galvanized steel is of size Dia 60 mm. The net jumper is of size Dia 1100 mm is connected to the poles with 2 curved rods of size Dia 60 mm and is made of galvanized steel.The rates ar0 to be inclusive of supply and Installation at site. Inclusive of All Taxes and Transportation Chages ---- All terms and conditions are as per tender document								
						0.00	Each	940000.00	0.00
	Approved Rate	940000.00							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
140	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HDW DIP Galvanized steel with a 114mm OD and 2.3mm (wall) thickness of the tubing. Plastic Components such as swing seats [superthick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges ---- All terms and conditions are as per tender document								
		3				3.00	Each		
				Upto 125%		2.50	Each	100000.00	250000.00
				Above 125%		0.50	Each	100000.00	50000.00
	Approved Rate	100000.00							
141	Supply and fixing of childern Play Equipment Four Seater Seesaw : SPECIFICATIONS The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 4 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges ---- All terms and conditions are as per tender document								
		3				3.00	Each		
				Upto 125%		1.25	Each	87700.00	109625.00
				Above 125%		1.75	Each	87700.00	153475.00
	Approved Rate	87700.00							
142	Supply and fixing of childern Play Equipment Merry go round - DX : The Merry go round consists of a round platform which is made of galvanized steel and has a thickness of 2.5 mm. It is also power coated with the thickness of 2.5 mm. It is of Dia 1210 mm. It has 3 inverted "L" shaped handrails which is made of Galvanized steel 20 and of dimensions as 474 mmx 81a mm. It has thickness of Dia 32 mm. The 3 handrails are separated exactly. All the 3 handrails are connected to the Centre with the help of a rod which is also made of Galvanized steel and of Oia 48 mm and height 815 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges ---- All terms and conditions are as per tender document								
						0.00	Each	69630.00	0.00
	Approved Rate	69630.00							
143	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Cum	322.00	0.00
	Approved Rate	322.00							
144	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		20	1.80			36.00			
		2	2.10			4.20			
	MEI Layout Park								
	Gym Equipment Area	1	18.70			18.70			
	Bagalugunte Lake Park								
	Gym Equipment Area	1	18.70			18.70			
	Kirloskar Layout Park								
	Gym Equipment Area	1	18.70			18.70			
		3	4.00			12.00			
						174.30			
						387.00	Nos	440.00	170280.00
	Approved Rate	440.00							
181	KSRRB M800-6. Painting two coats on New Concrete Surface:-Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803 (Page no-181, Item No-24.7 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
	For Kerb Stone								
	Benches Platform								
		20	1.50		0.40	12.00			
		20	1.80		0.40	14.40			
		20	1.80		0.40	14.40			
		2	2.10		0.40	1.68			
	MEI Layout Park								
	Gym Equipment Area	1	18.70		0.40	7.48			
	Bagalugunte Lake Park								
	Gym Equipment Area	1	18.70		0.40	7.48			
	Kirloskar Layout Park								
	Gym Equipment Area	1	18.70		0.40	7.48			
		3	4.00		0.40	4.80			
						69.72	Sqm	88.00	6135.36
	Approved Rate	88.00							
182	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Cum	322.00	0.00
	Approved Rate	322.00							
	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	cum	5508.00	0.00

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Approved Rate	5508.00							
184	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page no-27, Item No-5.30 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	NOS	435.00	0.00
	Approved Rate	435.00							
185	Providing and fixing for flooring 20mm thick sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of including cost of all materials ,morter,labour,curing etc.,complete as per specification - minimum width of 1200mm.(Gang saw Water Cut) (Page no-112, Item No-14.61.2 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Sqm	2510.00	0.00
	Approved Rate	2510.00							
186	KSRRB M800-6. Painting two coats on New Concrete Surface:-Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803 (Page no-181, Item No-24.7 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Sqm	88.00	0.00
	Approved Rate	88.00							
187	Stone bench " Executive Bench : Made out of sadarohally Grey Stone with hand supports with 3Line Finishing witharch.Design with 100 mm SLAB . Fleight 90 X Length150 Width 45 Cms. ---- All terms and conditions are as per tender document								
		21				21.00	Each	18160.00	381360.00
	Approved Rate	18160.00							
188	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits etc., either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.-in ordinary soil.NO.KBS 2.1(a)/2.3.5 (Page no-6, Item No-2.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Cum	322.00	0.00
	Approved Rate	322.00							
9	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 Kgs with 40mm and down size graded granite metal of coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms thick, well compacted in foundation including cost of all materials, labour, HOM curing complete as per Specification No. KBS 4.1, 4.2 (Page no-13, Item No-4.3 of PWD SR 2018-19.) ---- All terms and conditions are as per tender document								
						0.00	Cum	5500.00	0.00
	Approved Rate	5500.00							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Children Play Equipment								
E1	Providing, fabricating and fixing Special Multiplay Systems consists of FRP moulded with Aluminium chequered Platforms of size 5'X5' with 4 Support piller made out of 75mm dia G.I "B" Pipes fixed in cement concrete 1:2:4. The platforms are to be covered with tubular Slide & Mini Aquva tunnel slide made up of high quality FRP the slide is to fixed at a height of 11' and runs runs for a length of not less than 20' and the slide should be supported at regular intervals of 6' using M.S. pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of G I sheet with tred 4" with powder coated finish, fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-corrossive, fade free,tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge ofthe with all lead and lift, loading and unloading and any incidental chatges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint i ovens) and as per the drawing and specification and direction of the Engineer in charge of the work. ---- All terms and conditions are as per tender document.								
		1				1.00			
						1.00	Set	**593274.50**	**593274.50**
	Data Rate	595000.00							
	Tender Premium-0.29%	1725.50							
	Sub Total	593274.50							
E2	Supply And Fixing Of Children Play Equipment Horse Rider: HDPE Of Size 0.83m X 0.31m X 0.87m Plastic Components Super Thick Plastic Shall be Rorationally Molded Anistastic Copolymer Virgin Linear Low Density UV Stabilized Polyethlyene With Colour Molded is Not Added .Spelized Connectors Such As Clamps And Couplings Are To Be Cast From Aluminium Which is Pre - treated And Curved With Baked on Powder Coat Finish.The rates Are To Be Inclusive Of Supply And Installatiion At Site Inclusive Of All Taxes And Transportation Charges(Data Rate)								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	**55614.25**	**166842.75**
	Data Rate	55776.00							
	Tender Premium-0.29%	161.75							
	Sub Total	55614.25							
E3	Supply & fixing of Pull Down Challenger (Shoulder Press) (Area - 4'6" X 3' Height 7') : All tubular steel of 2.5mm thickness are galvanized and zinc dipped. All welded joints are scalloped as necessary and welded. All welds are dressed off removing all sharp edges and burrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance - free self greased SKF ball bearings. Scope of delivery : 1 completely pre assembled equipments modules. This equipment is powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	**247280.80**	**741842.40**
	Data rate	248000.00							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Tender Premium-0.29%	719.20							
	Sub Total	247280.80							
E4	Supply & fixing of Seated Chest Press (Area - 4'6" X 3' Height 7') : The chest press is heavy guage steel made up of 100mm NB MS pipes. The sub structure consists of 25 mm NB MS pipes and heavy duty bushes pivoted to one end and moveable up down on the other. The seats are made up of pressed FRP, self weighted machine built to support vigorous workout for up to 2 people. The Chest press supports and promotes strength to the chest, arms, shoulders and back. The exercise can be done in repetitions by increasing the time gradually which help in building stamina. Maintenance - free self greased SKF ball bearings. The whole equipment is powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	257251.80	771755.40
	Data rate	258000.00							
	Tender Premium-0.29%	748.20							
	Sub Total	257251.80							
E5	Supply & fixing of Elliptical (Cross Trainer) (Area - 5' X 3', Height - 5'6") : All tubular steel of 2.5 mm thickness are galvanized and zinc dipped.All welded. All welded joints are dressed off removing all sharp edges and burrs. All metal parts are powder coated using marpol powder to the thickness of 80-120microns. Rubber: High quality grip rubber is used for the handles. Bearings Maintenance-free self greased SKF ball bearings Scope of delivery: 1 completely pre-assembled equipment modules. This equipment is powder coated. ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	147570.80	442712.40
	Data Rate	148000.00							
	Tender Premium-0.29%	429.20							
	Sub Total	147570.80							
E6	Supply & fixing of Air walker (moon walker) area-4' X 3' height 4') : This equipment is made up of 100mm NB heavy guage pipes .The footsteps are made up of Alunminium castings. This helps in strengthening and toning the legs. Experiment with various speeds and different levels of intensity can be done maintenance- free self greased SKF ball bearings. This Equipment is powder coated. ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	177483.80	532451.40
	Data Rate	178000.00							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Tender Premium-0.29%	516.20							
	Sub Total	177483.80							
E7	Supply & fixing of Doulbe health walker (Hand Puller) (Area- 5'6"x3'6" Height -5'6") : This equipment is made up of Central 100mm pillars. The first steps are made up of Aluminium castings. Two people can exercise on the equipment in a back and forth motion. Experiments with various speeds and different levels of intensity can be done. It gives cardiovascular benefits promotes strengthening the biceps,hips and lower back. Maintenance-free self greased SKF ball bearings. This Equipment is powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
	Data Rate	258000.00				3.00	Nos	257251.80	771755.40
	Tender Premium-0.29%	748.20							
	Sub Total	257251.80							
E8	Supply & fixing of Bicycle (Exercise Cycle) (Area- 4'x3' Height -4') : This is a stationary cycle made up of central pillar 100m pipes. The seat is made up of FRP. This equipment gives the benefits of cycling and improves blood flow to the legs. Maintenance free self-greased SKF ball bearings. The whole equipment is powder coated. ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
	Data Rate	140000.00				3.00	Nos	139594.00	418782.00
	Tender Premium-0.29%	406.00							
	Sub Total	139594.00							
E9	Supply & fixing of Standing Rotation (Area- 6'x3' Height -4'6") : Providing and fixing Standing Rotation made upof 100mm NBMS pipe the sub stracture consists of 32mm NBMS pipes and heavy duty self greased SKF bearing and bushes provided to ensure smooth plate rotation, the standing plates are made up of pressed sheet metal of heavy gauge it benches in stretching the internal and external oblique's and adding emphasis on the abdominals and extensor muscles of the spine , the above equipment is duly powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	147570.80	442712.40

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Data Rate	148000.00							
	Tender Premium-0.29%	429.20							
	Sub Total	148570.80							
E10	Supply & fixing of Rope Puller : The rope puller made up of 100mm NBMS pipe. The substructure consists of 32mm NBMS pipes and heavy duty pulleys provided to ensure smooth rope transition; These are primary indictor of upper body strength. The exercises phase more emphasis on the trape muscles of the back biceps Maintenance free self greased SKF ball bearings. the above equipment is duly powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	101704.20	305112.60
	Data Rate	102000.00							
	Tender Premium-0.29%	295.80							
	Sub Total	101704.20							
E11	Supply & fixing of Sitting Rotation (Area- 6'x3' Height -4'6") : This equipment is made up of 100mm NBMS pipe the sub stracture consists of 32mm NBMS pipes and heavy duty self greased SKF bearing and bushes provided to ensure smooth plate rotation, the standing plates are made up of pressed sheet metal of heavy gauge it benches in stretching the internal and external oblique's and adding emphasis on the abdominals and extensor muscles of the spine , the above equipment is duly powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	133611.40	400834.20
	Data Rate	134000.00							
	Tender Premium-0.29%	388.60							
	Sub Total	133611.40							
E12	Supply & fixing of Hip Swivel (Area- 3'x3' Height -4'6") : This equipment is made up of 100mm NB central pillars. The footsteps are made up of Aluminium castings. This exercises a swinging motion on slide and thereby strengthens the ower abdomen , hips and thighs. This improves both cardiovascular fitness and flexibility. The whole equipment is duly powder coated ---- All terms and conditions are as per tender document.								
	MEI Layout Park								
		1				1.00			
	Bagalugunte Lake Park								
		1				1.00			
	Kirloskar Layout Park								
		1				1.00			
						3.00	Nos	197425.80	592277.40
	Data Rate	198000.00							
	Tender Premium-0.29%	574.20							
	Sub Total	197425.80							

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. ---- All terms and conditions are as per tender document.(Page no-112, Item No-14.62 of PWD SR 2018-19.								
	Basic Rate	1232.00							
	Area Weightage 6%	73.92							
	Sub Total	1305.92							
	Tender Premium-0.29%	3.79							
	Sub Total	1302.13							
	MEI Layout Park								
		1	18.70	4.20		78.54			
	Bagalugunte Lake Park								
		1	18.70	4.20		78.54			
	Kirloskar Layout Park								
		1	18.70	4.20		78.54			
	Benches Platform								
		20	1.80	1.50		54.00			
						289.62	Sqm	1302.13	377123.71
E14	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No KBS 2.10.2 ---- All terms and conditions are as per tender document.(Page no-123, Item No-15.74 of PWD SR 2018-19.(Page no-7, Item No-2.13 of PWD SR 2018-19.								
	Basic Rate	2060.00							
	Area Weightage 6%	123.60							
	Sub Total	2183.60							
	Tender Premium-0.29%	6.33							
	Sub Total	2177.27							
	MEI Layout Park								
	Children Play Area	1	9.00	5.10	0.30	13.77			
	Bagalugunte Lake Park								
	Children Play Area	1	9.00	5.00	0.30	13.5	TA		
	Kirloskar Layout Park								
	Children Play Area	1	9.00	5.20	0.30	14.04			
						41.31	Cum	2177.27	89942.97
								Total Construction Cost	12439615

Technically Sanctione for Rs 124-39 lakhs
Rs. in words Rupees One Crore ... Lac
Under ... P-3558 ...
Job Code No. 014-20-000095 ...
Registered as CE No. 18/2022-23 Subject to conditions contained in Enclosed Memo No. CE(D)/Tech/18/2022-23, Dt. 19/10/2022
AE/EE TA CE(D)

Assistant Engineer
Dasarahalli Division
BBMP Bangalore

Asst. Executive Engineer,
Dasarahalli Division
BBMP Bangalore

For Executive Engineer,
Dasarahalli Division
BBMP Bangalore

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